Recruiting:

- Japanese Translators
- Chinese Translators
- Korean Translators
- Redrawers

これを読めたりなら、ねきょう
のほんやくかになってくれ。

Nekyou Memoir Scanlation

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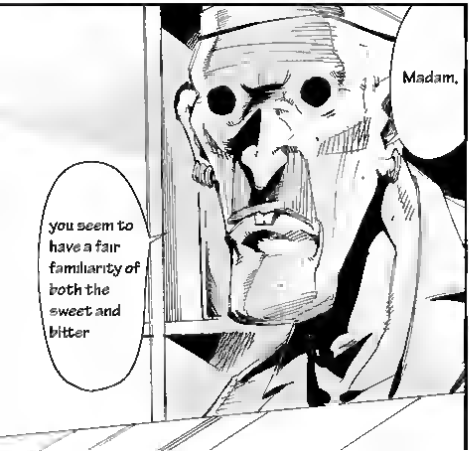
These taste terrible.

I can stomach them though
No kidding They're horrible

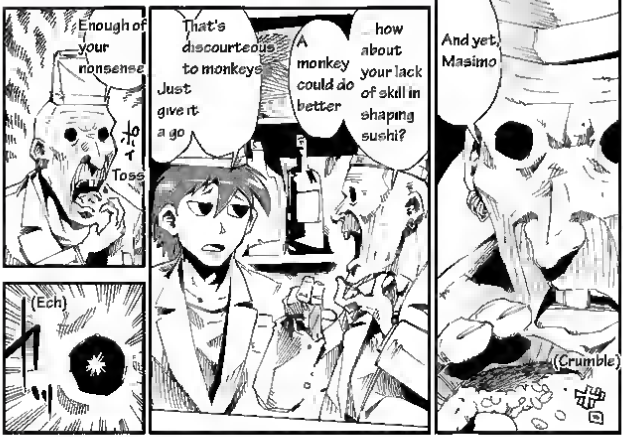

you seem to have a fair familiarity of both the sweet and bitter

Madam.
(Phew)

さいはて
Daydream Director

寿司虚空編
Sushi Kokuuhen

Uh-oh.
Damn
(Crash!)
I'm telling you, can't you show your face?
That's me.
I'd like to meet your parents
Don't get smart with me sonny
(Sizzle)
(Slice)
Just when I thought I'd make some decent sushi for a change, I get seedy customers
(Squeeze)
Yep
Master
Give this a taste.
(Slam)


Enough of your nonsense
Toss
That's discourteous to monkeys
Just give it a go
A monkey could do better
...how about your lack of skill in shaping sushi?
And yet, Masimo
(Crumble)
(Ech)

These ingredients are crap!
It had nothing to do with your skill!
(Hüaaghl)
...he is purifying his body with our homemade "Love and Gratitude Water"
Its so-called effects vary from person to person
Aak, Master
(Gulp, gulp)

(Chomp, chomp)
You can begin by apologizing
I'm sorry
You guys are tough!
Stop eating them
I'm telling you so
モリッ モリ
Really?
Master
"More" you say?
There's got to be more to this than meets the eye
It's not like any restaurant is going to serve rotten sushi on purpose
Hey. It's OK
(Hiiaagh)
I've just had a look, but all the ingredients are off
You can't be serious
There's nothing for it.

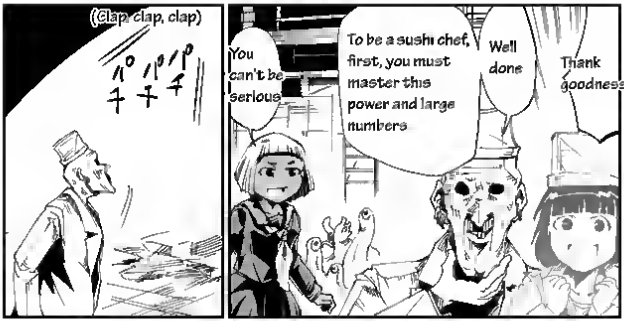
We'll have to catch them straight from the sea

Did you know
if it comes, we're probably going through more surprising...
Well...
Why does this not surprise you?
Sushi
Here we go
...there's a theory that the word "sushi" originally referred to the technology for operating this kind of robot?
Masimo, you're going to actually drive this thing for us
If only that's all it was
Master, you sure that water didn't soften your mind?
According to literature, it had a white body called a "shari" which was unearthed during the early Iron Age. In the town it would -

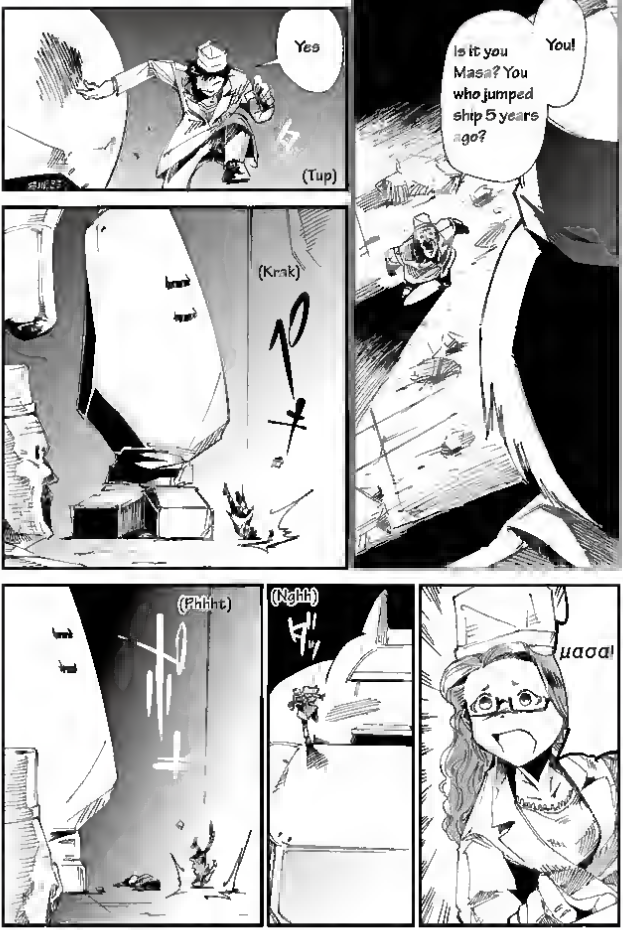
No way!
I refuse!
Masimo, first...
...we'll start with how you display characters on the screen
(Putt-putt-putt-putt)
(Creeeak)
Hmmm?
What the!
(Shuuuh crash crash)

Restaurant
Where are we?!
Oh, the restaurant!
My restaurant
Crikey!
Masimo you alright?
It's not a show you know
Amazing
I'd love to see an ultra-electric eel
This is how it generally looks
Moon
YamiNabeArcade
Town
Infinite in this direction
Sushi
Classrooms
Garage
Ultra-electric eel
Infinite in this direction
Unknown
The competence a sushi chef needs to have
Masimo!
Alright anyway

No, I'm fine
Watch
Shall I suck it?
Master, are you OK?
(Spurt)
Hmm
Whoops
(Shoe)
(Phhht)
(Nghh)
A sushi chef's
natural healing power is extraordinary
(Heave)
You were saying Master

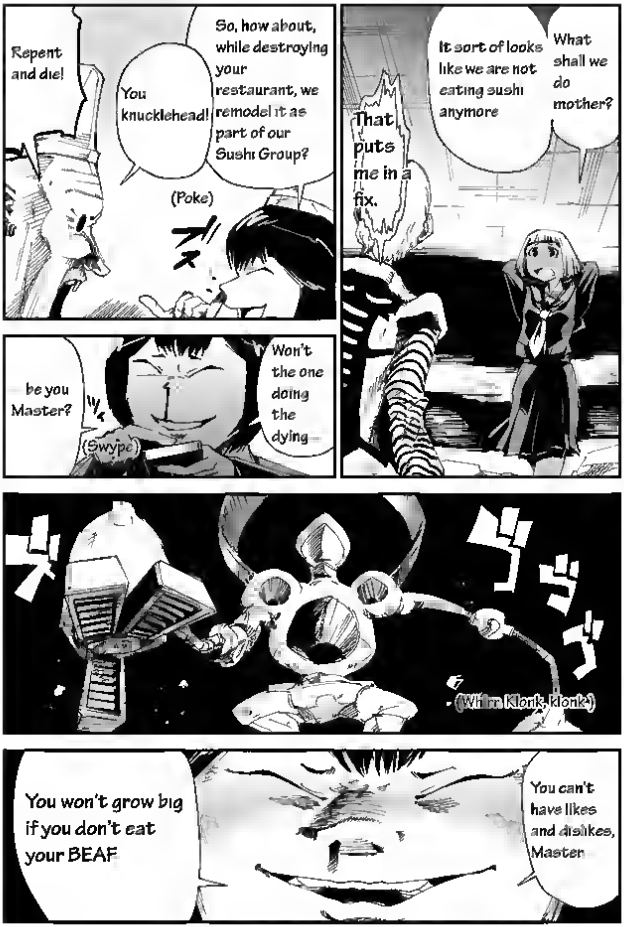

(Clap, clap, clap)
パパパパ
You can't be serious
To be a sushi chef, first, you must master this power and large numbers
Well done
Thank goodness!

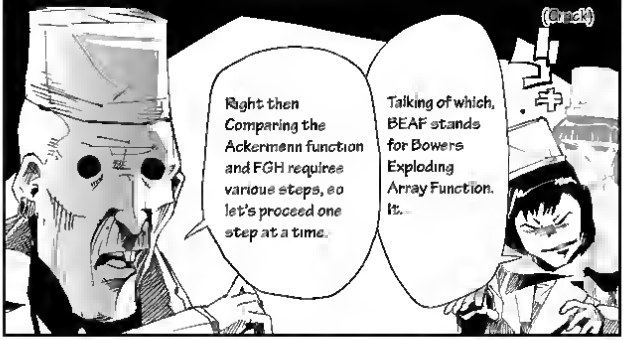
...
Master
It's been a while,
Precisely!

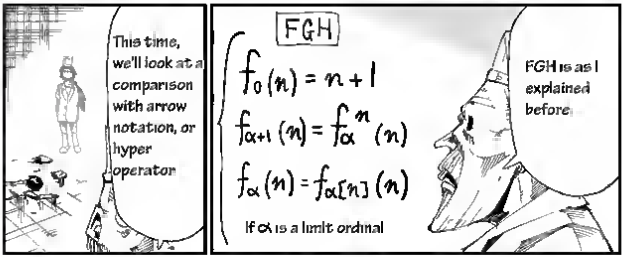

Yes
(Tup)
You!
Is it you Masa? You who jumped ship 5 years ago?
(Krak)
(Fhhht)
(Nghh)
Masa!

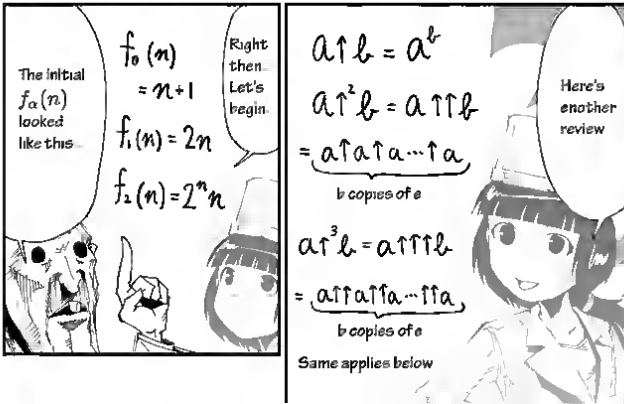
Hmm
The natural healing power of a sushi chef is extraordinary!
Impressive
Why are those guys performing some tribal ritual to test their nerve?
Probably because they're tribal
Ha ha ha
across the seas, that's where!
Allow me to introduce my wife, Pilu Pilu
I'm not sure of her nationality or what language she speaks, but I sort of understand it
Masa,
where have you been loafing about all these years?

So what?!
She's saying, "Sea eel, sea urchin, tuna"
Japan's large numbers are being Galapagosized!
Let me tell it to you straight
No longer are we in a situation where we can ignore what's happening overseas
She's also a sushi chef, and is owner of the globally expanding "Not Taking Reservations Because It Doesn't Exist Sushi Bar"
She has made an absolute fortune
She's saying, "Japanese canabid beetle"
And using that wealth, we've focused our energy on a new model shari, and on research into large numbers


Repent and die!
You knucklehead!
So, how about, while destroying your restaurant, we remodel it as part of our Sushi Group?
(Poke)
What shall we do mother?
It sort of looks like we are not eating sushi anymore
That puts me in a fix.
Won't the one doing the dying be you Master?
(Swype)
(Whirr Klonk, klonk.)
You won't grow big if you don't eat your BEAF
You can't have likes and dislikes, Master


(Cruel)
Right then Comparing the Ackermann function and FGH requires various steps, so let's proceed one step at a time.
Talking of which, BEAF stands for Bowers Exploding Array Function. It...


This time, we'll look at a comparison with arrow notation, or hyper operator
FGH
$f_0(n) = n+1$
$f_{\alpha+1}(n) = f_\alpha^n(n)$
$f_\alpha(n) = f_{\alpha[n]}(n)$
If α is a limit ordinal
FGH is as I explained before


The initial $f_\alpha(n)$ looked like this...
$f_0(n) = n+1$
$f_1(n) = 2n$
$f_2(n) = 2^n n$
Right then... Let's begin
$a \uparrow b = a^b$
$a \uparrow^2 b = a \uparrow\uparrow b$
$= \underbrace{a \uparrow a \uparrow a \cdots \uparrow a}_{b \text{ copies of } a}$
$a \uparrow^3 b = a \uparrow\uparrow\uparrow b$
$= \underbrace{a \uparrow\uparrow a \uparrow\uparrow a \cdots \uparrow\uparrow a}_{b \text{ copies of } a}$
Same applies below
Here's another review

Nesting

$f(f(n))$

The substituted value is itself.

At this point, we'll consider what happens when we nest both sides of the equation.

2^n

Got it

$2^n n = \underbrace{2^n + 2^n + \cdots + 2^n}_{n \text{ copies}}$

$2^n n > 2^n$

As you can see, $2^n n$ is bigger than 2^n you know

$2^n n > 2^n$

If we substitute the ns in each expression with the respective expression itself,

$2^{(2^n n)} \cdot (2^n n) > 2^{(2^n)}$

Can you see that the size relationship stays the same even if we nest both sides?

$a \uparrow^n b = \underbrace{a \uparrow^{n-1} a \uparrow^{n-1} a \cdots \uparrow^{n-1} a}_{b \text{ copies of } a}$

Therefore,

When $a = b = 2$, we get $2 \uparrow\uparrow 2 = \underbrace{2 \uparrow 2}_{2 \text{ copies of } 2}$

Using this,

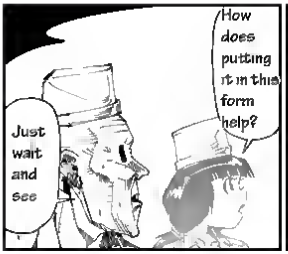
$2 \uparrow\uparrow\uparrow 2 = 2 \uparrow\uparrow 2 = 2 \uparrow 2 = 2 \uparrow 2$

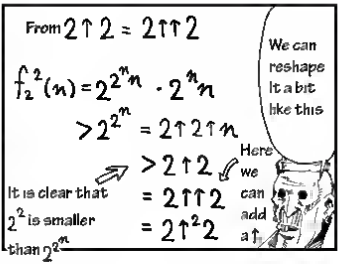
No matter how many $\uparrow$ are between 2 and 2, by definition it ends up like this

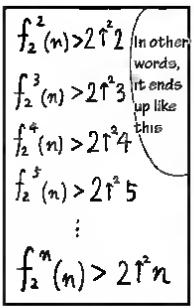
Therefore, when $n > 1$,

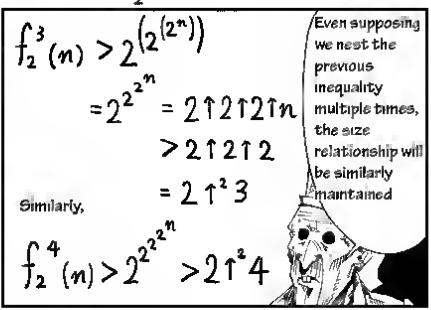
$2 \uparrow^n 2 = 2 \uparrow^{n-1} 2 = 2 \uparrow 2 = 4$

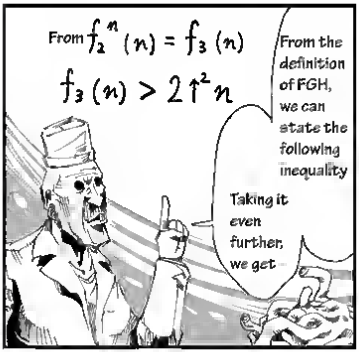
Now then, let's remember that, with the magic number 2, arrow notation behaves like this

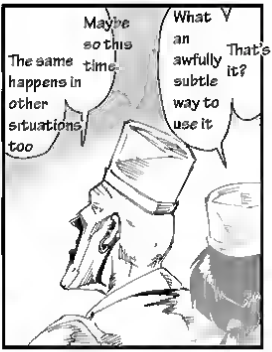

How does putting it in this form help?
Just wait and see

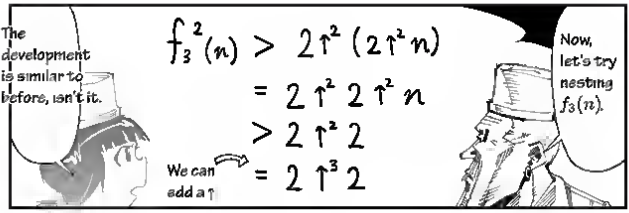

From $2\uparrow 2 = 2\uparrow\uparrow 2$
$f_2^2(n) = 2^{2^n n} \cdot 2^n n$
$> 2^{2^n} = 2\uparrow 2\uparrow n$
$> 2\uparrow 2$
$= 2\uparrow\uparrow 2$
$= 2\uparrow^2 2$
It is clear that 2^2 is smaller than 2^{2^n}
Here we can add a ↑
We can reshape it a bit like this

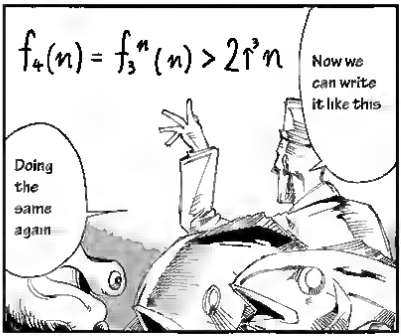

$f_2^2(n) > 2\uparrow^2 2$
$f_2^3(n) > 2\uparrow^2 3$
$f_2^4(n) > 2\uparrow^2 4$
$f_2^5(n) > 2\uparrow^2 5$
$\vdots$
$f_2^n(n) > 2\uparrow^2 n$
In other words, it ends up like this

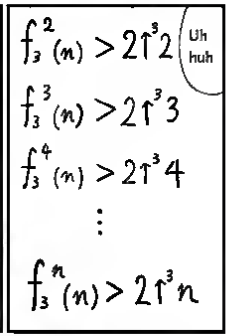

$f_2^3(n) > 2^{(2^{(2^n)})}$
$= 2^{2^{2^n}} = 2\uparrow 2\uparrow 2\uparrow n$
$> 2\uparrow 2\uparrow 2$
$= 2\uparrow^2 3$
Similarly,
$f_2^4(n) > 2^{2^{2^{2^n}}} > 2\uparrow^2 4$
Even supposing we nest the previous inequality multiple times, the size relationship will be similarly maintained

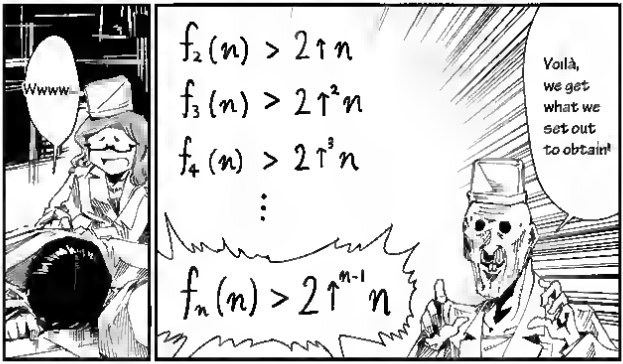

From $f_2^n(n) = f_3(n)$
$f_3(n) > 2\uparrow^2 n$
From the definition of FGH, we can state the following inequality
Taking it even further, we get


The same happens in other situations too
Maybe so this time.
What an awfully subtle way to use it
That's it?


The development is similar to before, isn't it.
$f_3^2(n) > 2\uparrow^2(2\uparrow^2 n)$
$= 2\uparrow^2 2\uparrow^2 n$
$> 2\uparrow^2 2$
We can add a ↑
$= 2\uparrow^3 2$
Now, let's try nesting $f_3(n)$.


$f_4(n) = f_3^n(n) > 2\uparrow^3 n$
Now we can write it like this
Doing the same again


$f_3^2(n) > 2\uparrow^3 2$
Uh huh
$f_3^3(n) > 2\uparrow^3 3$
$f_3^4(n) > 2\uparrow^3 4$
$\vdots$
$f_3^n(n) > 2\uparrow^3 n$


Wwww
$f_2(n) > 2\uparrow n$
$f_3(n) > 2\uparrow^2 n$
$f_4(n) > 2\uparrow^3 n$
$\vdots$
$f_n(n) > 2\uparrow^{n-1} n$
Voilà, we get what we set out to obtain!

[Ackermann function]

アッカーマン関数 $(n \geq 2)$

$$\begin{cases} Ack(0,y) = y+1 \\ Ack(x+1,0) = Ack(x,1) \\ Ack(x+1,y+1) = Ack(x, Ack(x+1,y)) \end{cases}$$

What the hell are you doing?

$x=1$ のとき

$Ack(1,m) = Ack(0, Ack(1,m-1)) = Ack(1,m-1)+1$

$= Ack(1,0) + m = Ack(0,1) + m$

$= 2 + m$

$x=2$ のとき

$Ack(2,m) = Ack(1, Ack(2,m-1))$ 2重

$= Ack(1, Ack(1, Ack(2,m-2)))$ 3重

$= Ack(1, Ack(1, Ack(1, Ack(2,m-3))))$ 4重

$= Ack(1, Ack(1, Ack(1, Ack(1, Ack(2,m-4)))))$ 5重

…

$= Ack(1, Ack(1, \cdots (Ack(2,m-m)) \cdots))$ $m+1$重

$= Ack(1, Ack(1, \cdots (Ack(2,0)) \cdots))$ $m+1$重

$= Ack(1, Ack(1, \cdots (Ack(1,1)) \cdots))$ $m+1$重 ※$Ack(1,1) = 3$

$= Ack(1, Ack(1, \cdots (Ack(1,3)) \cdots))$ m重 ※$Ack(1,3) = 5$

$= Ack(1, Ack(1, \cdots (Ack(1,5)) \cdots))$ $m-1$重 ※$5 = 2+3$

$= Ack(1, Ack(1, \cdots (Ack(1,2+3)) \cdots))$ $m-1$重

$= Ack(1, Ack(1, \cdots (Ack(1,2+2+3)) \cdots))$ $m-2$重 ※$Ack(1,(2+3)) = 2+2+3$

$= Ack(1, Ack(1, \cdots (Ack(1,2+2+2+3)) \cdots))$ $m-3$重 ※$Ack(1,(2+2+3)) = \underbrace{2+2+2}_{2\times 3}+3$

$= Ack(1, \underbrace{2+2+\cdots+2}_{m-1}+3)$ 1重 ※

$= Ack(1, 2\times(m-1)+3)$

$= 2\times(m-1)+3$

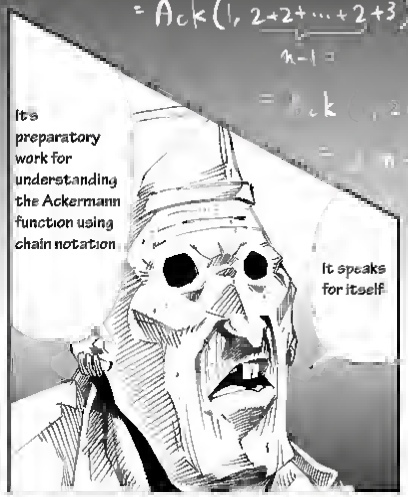
$x=3$ のとき,

$Ack(3,m+1) = Ack(2, Ack(3,m-1))$ 2重

$= Ack(2, Ack(2, Ack(3,m-2)))$ 3重

$Ack(3,m+1) = Ack(2, Ack(2, \cdots (Ack(3,m-m)) \cdots))$ $m+1$重

$= Ack(2, Ack(2, \cdots (Ack(2,1)) \cdots))$ $m+1$重



Ha ha...
From long ago, you bore resemblance to me, a good-for-nothing always in a scuffle
Look who's talking
(Fire)
Here I was thinking you could make a little more sense
That's too bad
(Chk chk)
(BOOM)

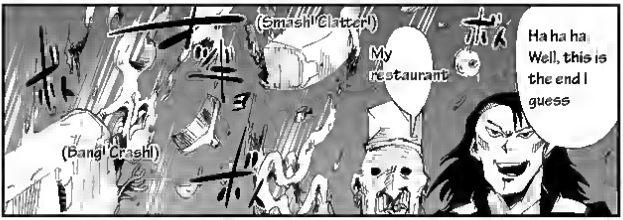
(Bang bang bang bang)
Hello
I won at the Googological Olympiad

Yes
You feeling any pain or anything?
Ah! Mr. Fish.
Ridiculous!
How is that that Mr. Fish is here?
(Crash!)
Damn
(Sigh!)

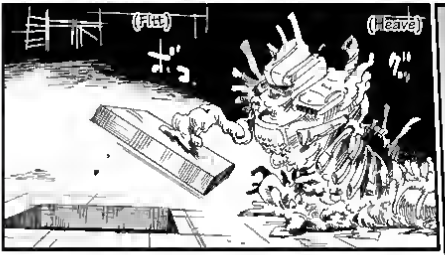
Hey Masa... Let's stop all this, yeah?
Fool! Knock it off!
We're not children anymore!
(Crack, crack)
That's a fairly graphic price that is

You're saying, "It's no good. I can't control it. Pirozhki, footbath, nutria"?
Hey, Filu Filu! Abort, aborto!

Yoo-hoo!
(Chug a chug a)
I told you so
Oh dear! That's...
if it comes we're probably going through more surprising

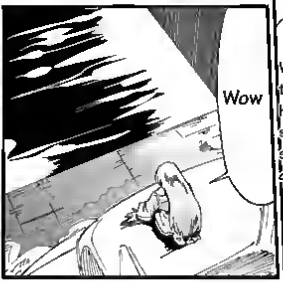

(Smash! Clatter!)
My restaurant
Ha ha ha. Well, this is the end I guess
(Bang! Crash!)

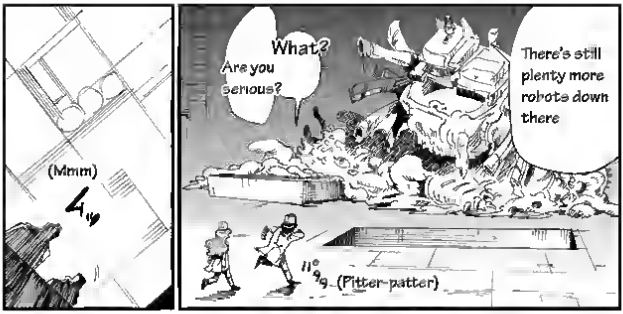
It's a nightmare. It's an absolute nightmare.
Ugh!


(Fitt)
(Heave)

There's nothing for it. Pilu Pilu
Let's withdraw now while there's confusion.
We'll leave the robot here and set it to self-destruct.

Hey! Masa


Wow

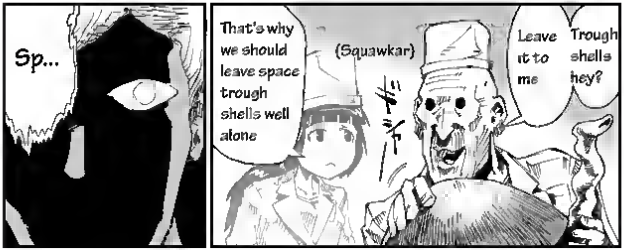

(Mmm)
What?
Are you serious?
There's still plenty more robots down there
(Pitter-patter)

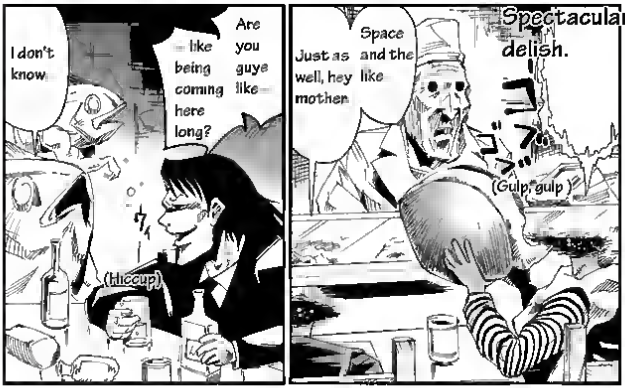
Aargh!
(DAAH)

It's an eel!
Wicked.
(Squirm squirm)
You can get down from there now Evacuate!
Hey, Masimo!
Wait a sec Maybe we'd better all get back there
Hey, bring some ingredients from the upper level
Mmm Of course
It's amazing alright
Hey, Wile Isn't that eel amazing
Really?

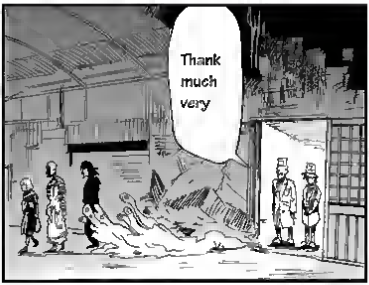
(Splash!)
(Thwack)
As for you, you can be feed for the eel!
(Slither slither)
Hey! Wait up!
Th-this is...
delish
It's scrumptious

Next is trough shells!
Who cares? It tastes so good
Recently, we'd been skimping on the sacrificial ceremonies. This had probably provoked the wrath of the guardian spirit, who put a curse on the freshness of our ingredients.
To be frank, that ultra-electric eel is a bio-energy science field for our restaurant

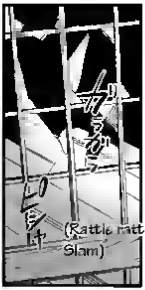

Sp...
That's why we should leave space trough shells well alone
(Squawkar)
Leave it to me
Trough shells hey?


I don't know
like being coming here long?
Are you guys like
(hiccup)
Just as well, hey mother
Space and the like
Spectacularly delish.
(Gulp, gulp)

That's fine, but next time, try to be better prepared.
We'll come again


Thank much very

If he surfaces again, I'll discipline him good and proper.
There's no hope if he's died from that
Pity about Masa, hey.


(Rattle rattle Slam)

Ee-ee-ee!
Ee-ee-ee

Oh, that. That's—
Almost forgot. Congratulations Mr Fish on your win at the Olympics.
Fish and chips—